PATENT COOPERATION TREATY

From the INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

To: TIMOTHY A. CZAJA DICKE, BILLIG & CZAJA, P.A. 701 FOURTH AVENUE SOUTH SUITE 1250 MINNEAPOLIS, MINESOTA 55415 Applicant's or agent's file reference		WRITTEN OPINION (PCT Rule 66) Form PCT/IPEA/408 (cover sheet) (July 1998) DO NOT MAIL Date of Mailing (day/month/year) REPLY DUE within TWO months		
A 126.106.111 International application No.	7		om the above date of mailing	
PCT/US02/22546	International filing dat	e (aay/month/year)	Priority date (day/month/year) 16 JULY 2001	
International Patent Classification (IPC) Please See Supplemental Sheet.		ication and IPC	16 JUL1 2001	
Applicant AUGUST TECHNOLOGY CORPOR	ATION			
IV Reasoned statement uncitations and explanate VI Certain documents cit VII Certain defects in the VIII Certain observations 3. The applicant is hereby invited to re When? See the time limit incomparity to grant a How? By submitting a write for the form and the Also For an additional opposition of the examiner's of the examiner's of the form and comparity in the form and the sexual comparity. The final date by which the internation	opinion with regard to nation ander Rule 66.2(a)(ii) with ions supporting such stated international application the international application the international applicated above. The application extension, see Rule 6 attent reply, accompanied, a language of the amendo portunity to submit amendo and preliminary examinational preliminary	novelty, inventive so he regard to novelty, attement on olication where appropriate, languages, see Rules 66. andments, see Rule 66.6 andments and/or araminer, see Rule 66.6 andments and/or araminer, see Rule 66.6 and aminer,	6.4. guments, see Rule 66.4 bis. s. tablished on the basis of this opinion.	
examination report must be establis	ned according to Kule (29.Z 18: 10 110 1 E141 E		

Facsimile No.	Authorized officer AND Telephon	e No.
(703) 305-3230	HOA Q. PHAM	(703) 308-4808

WRITTEN OPINION Form PCT/IPEA/408 (Box I) (July 1998) FILE COPY - DO NOT MAIL

International application No.

I.	Ba	sis of the opinion	
1.	With	regard to the elements of the international application	on:*
	\mathbf{x}	the international application as originally fil	ed
	=	the description:	
	X	<u>-</u>	, as originally filed
		pages NONE	, filed with the demand
		pages NONE	, filed with the letter of
		. •	
	X	the claims:	
		pages 20-23	, as originally filed
		. •	, as amended (together with any statement) under Article 19
		pages NONE	, filed with the demand
		pages NONE , filed w	ith the letter of
		the drawing:	
	X	-	, as originally filed
		pages NONE	, filed with the demand
		pages NONE	, filed with the letter of
		pages	, mod with the letter of
	\mathbf{x}	the sequence listing part of the description:	
	ت		, as originally filed
		pages NONE	, filed with the demand
	÷	pages NONE	, filed with the letter of
		the language of a translation furnished for the language of publication of the internation	hority in the following language which is: the purposes of international search (under Rule 23.1(b)). the purposes of international preliminary examination (under Rules 55.2 and/
3.	With	•	quence disclosed in the international application, the written opinion was
		contained in the international application in	printed form.
		filed together with the international applicat	ion in computer readable form.
		furnished subsequently to this Authority in v	written form.
		furnished subsequently to this Authority in c	
	Ш	The statement that the subsequently furnished international application as filed has been furn	written sequence listing does not go beyond the disclosure in the ished.
		The statement that the information recorded in cobeen furnished.	omputer readable form is identical to the writen sequence listing has
4.	X	The amendments have resulted in the cancel	llation of:
		X the description, pages none	
		X the claims, Nosnone	·
		X the drawings, sheets/fig none	
5.		This opinion has been drawn as if (some of) the a	amendments had not been made, since they have been considered to go
*	Repla	beyond the disclosure as filed, as indicated in the accement sheets which have been furnished to the rec	e Supplemental Box (Rule 70.2(c)). seiving Office in response to an invitation under Article 14 are referred to
		s opinion as "originally filed".	

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International application No.

П.	Priority
1.	This opinion has been established as if no priority had been claimed due to the failure to furnish within the prescribed time limit the requested:
	copy of the earlier application whose priority has been claimed.
	translation of the earlier application whose priority has been claimed.
2.	This opinion has been established as if no priority had been claimed due to the fact that the priority claim has been found invalid.
Thus	for the purposes of this opinion, the international filing date indicated above is considered to be the relevant date.
3. A	ditional observations, if necessary:
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Form PCT/IPEA/408 (Box III) (July 1998) FILE COPY - DO NOT MAIL International application No. PCT/US02/22546

III.	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
	e questions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be ustrially applicable have not been and will not be examined in respect of:
	the entire international application.
	claims Nos.
	because:
	the said international application, or the said claim Nos. relate to the following subject matter which does not require international preliminary examination (specify).
	•
 _	
	the description, claims or drawings (indicate particular elements below) or said claims Nos are so unclear that no meaningful opinion could be formed (specify).
	the claims, or said claims Nos are so inadequately supported by the description that no meaningful opinion could be formed.
	no international search report has been established for said claims Nos
	· · · · · · · · · · · · · · · · · · ·
	written opinion cannot be drawn due to the failure of the nucleotide and/or amino acid sequence listing to comply with the standard vided for in Annex C of the Administrative Instructions:
	the written form has not been furnished or does not comply with the standard.
	the computer readable form has not been furnished or does not comply with the standard.

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IV.	Lack of unity of invention
1.	In response to the invitation (Form PCT/IPEA/405) to restrict or pay additional fees the applicant has:
	restricted the claims.
	paid additional fees.
	paid additional fees under protest.
	neither restricted nor paid additional fees.
2.	This Authority found that the requirement of unity of invention is not complied with for the following reasons and chose, according to Rule 68.1 not to invite the applicant to restrict or pay additional fees:
	· · · · · · · · · · · · · · · · · · ·
3.	Consequently, the following parts of the international application were the subject of international preliminary examination in establishing this opinion:
	all parts.
	the parts relating to claims Nos

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. statement			
Novelty (N)	Claims	5, 7-13, 16-20	_ YES
	Claims	1-4, 6, 14, 15	_ NO
Inventive Step (IS)	Claims	5, 7-13, 16-20	_ YES
	Claims	1-4, 6, 14, 15	_ NO
Industrial Applicability (IA)	Claims	1-20	YES
indusurai Approximity (1A)	Claims	NONE	_ NO
citations and explanations		*	
Regarding claims 1-4, 6, 14, and 18 features using an optical microscope in which beam splitter is a pellicle beams splitter, how time the invention was made to replace the equivalent in function, a substitute for one on Regarding claim 5, Corle et al teac (75) includes one pinhole having an associated Claims 7-13, and 16-20 meet the criteria set	5; Corle et al d h a beam splitt wever, it would beam splitter o f another is red h that rotary d ed individual m out in PCT A	rticle 33(2)-(4), because the prior art does not teach or fair	the at the art.
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Certain published documents	(Rule 70.10)		•
Application No. Patent No.	Publication Date (day/month/year)	Filing Date (day/month/year)	Priority date (valid clain (day/month/year)
			
•		•	
Non-written disclosures (Ru	le 70 9)	-	
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VII.	Certain de	fects in the i	nternational	applicatio	n				
The 1	following def	ects in the fo	orm or conte	nts of the i	nternational	application ha	ave been note	d:	
i									
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	•						•		
					•				

Form PCT/IPEA/408 (Box VIII) (July 1998)

International application No.

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III. Certain observations on the international application				
The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:				
•				

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PCT/US02/22546

Supplemental	Box
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(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of: Boxes I - VIII

Sheet 10

TIME LIMIT:

The time limit set for response to a Written Opinion may not be extended. 37 CFR 1.484(d). Any response received after the expiration of the time limit set in the Written Opinion will not be considered in preparing the International Preliminary Examination Report.

CLASSIFICATION:

The International Patent Classification (IPC) and/or the National classification are as listed below: IPC(7): GO1N 21/00; G02B 21/00; G06K 9/62; H04N 7/18 and US Cl.: 356/237.2, 237.4; 359/368; 348/126